

ABSTRACT

An electrosurgical generator is disclosed capable of controlling the output crest factor, as well as the output power of the electrosurgical generator across a range of tissue impedances during electrosurgery. The control occurs automatically, in real time and continuously during the duration of electrosurgical activation of the electrosurgical generator by varying both the output crest factor and output power based on the changing impedance of the tissue. The electrosurgical generator also includes controls for allowing a surgeon to manually select the appropriate crest factor value and power output value for a particular surgical procedure. By automatically adjusting the output crest factor and by giving the surgeon the ability to manually "tailor" the output crest factor across a range of tissue impedance, the electrosurgical generator enhances the ultimate surgical effect and desirable surgical results.